REMARKS

Claims 1-32 are all the claims pending in the application.

The specification and claims have been amended to address the editorial issues raised by the examiner.

The prior art rejections are respectfully traversed.

The present invention is directed to a technique for optimum selection of the paths available in a rake receiver. According to the invention, there are plural selection criteria to select from, and the selection of the criteria (i.e., not the selection of paths but rather the selection of the criteria for selecting paths), is made in accordance with measured data relating to the energy distribution in a propagation profile of a propagation channel between a sender and receiver.

In the rake receiver of Bottomley, correlations are performed at different times, and each correlation time corresponds to an echo of a transmitted signal. Changing the correlation times effectively moves the finger locations. Bottomley assigns correlation times according to different strategies such as instantaneous optimum (IO) and average optimum (AO), and by changing the correlation times the locations of the fingers are effectively moved around. But this is different from the present invention wherein the number of fingers are not changed nor are the fingers themselves, but paths are selected. A particular delay value between adjacent fingers corresponds to a path. A different delay value corresponds to a different path. What the present invention does is select amongst these paths. What Bottomley does is change the correlation times, which changes the location of fingers, but there is no selection from amongst a set of

paths. And the different criteria referred to in Bottomley are not criteria for selecting amongst a plurality of paths, but for moving the paths around.

The last subparagraph of claim 1 requires that the selection of the criterion for choosing the predetermined maximum number of propagation paths is based on the measured data relating to energy distribution in the propagation profile. Bottomley et al performs energy correlations, but it is not for purposes of determining the energy distribution in the propagation profile. More importantly, whatever is determined from the correlations performed in Bottomley et al, it is not used to select criteria for selecting paths as is required in claim 1.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

Respectfully submitted,

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